		-
INITIALS	ID NO.	DATE
UB		02-82-01
4.5	866	03.15-01
	JB	UB 4-5 866

INDEX OF CLAIMS

 Rejected 	N Non-elected
= Allowed	I Interference
 (Through numeral) Canceled 	A Appeal
÷ Restricted	O Objected

											_	_		_										_	_			
	Ctairn	~ ·	_	_	Di	ate	_			_	Ţ	Cit	nin	L	_	_		Di	ate			_		_]	<u> </u>	laim	<u> </u>	
1	Final	15%										Final	Original													Original		
S		V =	L	L	L	_	┸	1	上	L	J	L	51	L	L			\perp	L	L		Γ]				Г
A		Ш	L	L	L	L	L	L	丄	L]	L			L	L	L		L	L		L				10	2	
5	3	<u>l</u> =		L	L					L	J	<u>L</u>	53			L					L	Ι			Г	10	3	Γ.
		IJ ⊨	L	L		L	L		\perp	L]		_			Γ	oxdot					Ι	Ι]	Г	10	4	
ST ST ST ST ST ST ST ST	\rightarrow		L	L	↓	┸	L	1	1	L].		\blacksquare	L		L	上	L	_	_	L					10	5	
100 100		<u> </u>	L	L	┸	Ļ	Ļ	┸	┸	L	1	_		_	L	L	丄	L	1_			L	\perp]				
9		/=	<u> </u>	L.	┸	丄	┸	丄	↓_	L	J	Ш	_	Ŀ	L	L	_	<u> </u>	L	L	1_	L	上	_	L	_		
10 1	- F-+	Ш.		L	┖	Ļ	Ļ	┸	┸	L	1	_	_		L	L	┸	┸	┖	L	L	L	\perp]		108	3	
112 133 133 134 134 134 134 134 134 134 135 136 136 136 137 137 138 139 139 140 141			Ľ	Ĺ	L	1	\perp	┸	┸	L	1	Ц	_			L	┸	\perp	$oldsymbol{\perp}$	_	L	L	┸	1	L	109	9	
112 133 133 134 134 134 134 134 134 134 135 136 136 136 137 137 138 139 139 140 141	10	∳ ∦≔		L	↓_	╄	╄	╀	╄	L	1	Ш				L	L	1_	┖	Ŀ	L	L	┸	1	L		_	
13		∠ ≘'	_	L	↓_	ļ.,	╀	4_	┸	L		Ц			L	L	1	╀-	<u> </u>		L	L	1_	1	L		-	
14			L	L	↓.	╄	╄	4-	上	L	ļ	Ш				L	╄	↓_	ـــ	L		L	丄	1	L	~	-	L
186		•	L.,	L	╀	Ļ	Ļ	╄	╄	Ļ	-	Н	_	_	_	L	↓_	┺	_	<u> </u>	L.	L	┺	1	\perp	113	<u> </u>	L
16	_	쉬드		L	╄	+-	1	╀	╄	ļ	1	Н	_	_	_	L	4	╄	Ļ	L.	ᆫ	L	╙	1	L	_	_	_
177		ш		L	 	╀	╀	╀	↓_	┖	4	Н		_		┞	<u>↓</u>	_	_	ļ.	╙	L	┸		L	_		
116				L	╀	├ -	╄	4	╄-	ļ.,	4	\vdash	_	_		┡	╀	╄	ļ	╙	╙	L	╄		_		_	
19		7	_		╀	╀	╄	╄	⊬	\vdash	ļ	\rightarrow	_	_	_	L	┼	╀	├ —	⊢	╙	L	┺	1	┡	-	-	_
120 22 22 23 23 24 25 26 27 28 29 29 29 30 7 31 31 31 32 33 31 31 31				H	╀	┼-	╀	╀	╀┈	 	1	\rightarrow	\rightarrow	4		_	╄-		ļ	<u> </u>	_	Ļ.	╄	1	<u> </u>	-	-	\vdash
27	1,3	티크	_	_	⊢	╀	╀	╄	⊬	-	-	-	-	_		┞	╀	╄	Ļ.	_	L	<u> </u>	╄	1	L	+-	-	\vdash
72		/ 드		_	1_	╄	╀	┶	┺	L	Į	_				L	L	L	L	L_	_	L	1_		L	120		
23 73 123 24 74 124 25 75 125 26 76 126 27 77 127 28 78 128 29 79 129 30 70 130 31 80 130 31 81 132 33 83 132 33 84 133 34 84 134 35 85 135 36 85 136 37 38 88 138 39 88 139 40 90 140 41 91 142 43 94 144 45 96 145 96 146 147 46 97 147			_	L	┞-	L	╀	Ļ	<u> </u>	L	į	\rightarrow	_		_	L	_	<u> </u>	_	L	_	L]		_		
24 74 124 25 75 125 26 76 126 27 77 127 28 78 128 29 79 129 30 7 80 130 31) 81 131 37 82 133 34 84 133 35 85 135 36 85 136 37 88 138 39 88 138 40 90 140 41 91 142 43 94 144 45 96 145 46 97 147		4픡	_	,	⊢	₽.	4_	╄	ــ	L				_		L	1_	<u> </u>	L	<u> </u>	L.	L	<u> </u>	1	\perp			
25			_		L	┞	╄	lacksquare	┞-	L	1			_		L	↓_	<u> </u>		<u> </u>	L	L	<u> </u>	1	L	_		
26 76 126 27 77 128 28 78 128 29 78 129 30 / 1 80 130 31, 31, 32 81 131 33 . 84 132 133 34 . 9 84 134 35 . 96 86 135 36 . 90 138 136 37 . 9 88 135 38 . 90 84 133 38 . 90 88 135 38 . 90 139 138 39 . 90 140 141 41 . 90 140 141 42 . 90 142 143 43 . 94 144 144 45 . 95 96 145 46 . 97 146 147	\rightarrow	+	-	_	1	┞	╀	┼-	<u> </u>		ļ		_	4	_	L	ــ	L	_	L		L	_		L	-	Ш	
27 30 77 128 128 128 128 128 129 128 129 129 130 130 131 130 131 131 131 131 132 132 133 133 133 133 134 134 134 135 135 136 136 136 136 136 136 137 137 138 138 138 138 138 139 140 140 140 140 141 141 142 142 143 144 144 144 144 144 144 144 144 145 146 147		\dashv	_		├	┞	⊢	┼	 	_				4		L	Ļ	 	Ш	<u> </u>		L	L	1	\perp	+-		_
28 78 128 29 79 128 30 / 1 80 130 31) 81 131 32 33 132 33 83 133 34 84 134 35 86 136 36 86 136 37 87 137 38 88 138 39 88 139 40 90 140 41 91 142 43 93 142 43 94 144 45 96 145 96 146 147	-	\dashv		_	╀	├-	╀	╀	 		ļ		_	4	4	<u> </u>	↓_	<u> </u>	Ш	Щ	L	L	╙	ļ	L	+	Щ	
29 79 129 30 f 80 130 31) 81 131 32 33 82 132 33 83 134 134 35 36 86 135 36 36 86 135 37 38 88 138 39 40 90 140 41 91 144 42 92 142 43 94 144 45 95 145 96 145 146 47 97 147	\rightarrow	+			⊢	├-	├-	⊢	Н	_	İ			4	_	_	 	ļ	Ļ_		_		L		ļ_	-	Щ	_
30 7			\dashv	_	├-	┡	⊢	┼-	H	_	l	_	_	4	_	L	┡	<u> </u>	Щ	Щ		L	<u> </u>	1	上		Ц	_
31		y 	\dashv	_	-	⊢	-	╀	╁	_	1	₩.	-+	4	_	_	⊢	L	Ы			L	<u> </u>	l	L	_	Ш	_
31		4	┥		-	\vdash	├	╌	H					4			⊢	<u> </u>	Н		Щ		┡	ł	L	-	Щ	4
33 34 35 36 35 36 37 38 39 39 39 39 39 39 30 31 32 33 34 34 34 34 34 34	1 1	+			\vdash	├	⊢	\vdash	Н	-		_	-	+	-		├-	H	Н	_	4	_	<u> </u>	1	\vdash	_	Н	_
34	\rightarrow	+	┪		Н	┝	\vdash	⊢	Н			-	_	+	ᅱ	_	⊢	-	Н	_	-	٠	├		_	+-	\sqcup	
35		1-1	\dashv	_		┝	┝	\vdash	Н	-				-+	-	_	\vdash	-	Н	\dashv	\dashv	_	 		-	_	\vdash	4
36		++	┪	_		-	Н	├	Н	ᅱ		_	_	+	┥		⊢	-	\vdash	\dashv	-		⊢		\vdash	-	Н	
37		++	7	٦	Н		H	\vdash	H	ᅱ				╅	┪		┝	┝╌	\dashv	\dashv	┥		Н		-		\dashv	\dashv
38	37	77	┪	┪	_		\vdash		Н	=		-	_	┪	-	_	H	H	\dashv	┥	┥	_	H		<u> </u>		Н	\dashv
39	38	11	7	╛	-		\vdash	Н	Н	⊣		_		╅	┪		-	Н	-	-	┥		Н		-	_	\dashv	-
40	39	++	7	7		-	_	Н	H	ᅥ		_	_	+	┪		\vdash	Н	-+	ᅱ		_	H		<u> </u>	_	-+	\dashv
41 91 42 92 43 93 44 93 45 94 46 95 47 97 48 97 49 144 47 147	40	11	┪	┪		_	_	Г	\neg	ᅦ		-	-	+	┪	_	_	Н	\dashv		-1	-	Н	l i	⊢	—	\dashv	\dashv
42	41	1-1	7	┪	\neg		H		H	ᅥ		_		┿	+	-	Н	Н	\dashv	┪	\dashv		Н		⊢	-	\dashv	\dashv
43		╁╌┼	+	+	\dashv	\vdash	-	H	\dashv	\dashv		_		+	\dashv		Н		\dashv		4	-	Н		├-		4	4
44		1	+	┪	\neg	۲	-	H	\dashv	\dashv	- 1	_	_	╅	┪	-	Н	\dashv	-+	\dashv	+	-	Н		_		\dashv	\dashv
45 95 145 146 47 97 147 147		11	十	7	\dashv	\dashv		H	\dashv	\dashv	}	_	_	+	+	-	Н	-	+	+	\dashv	-	\vdash		 	_		+
46 95 146 147 147 147 147 147 147 148 149 149 149 149 149 149 149 149 149 149		††	+	+	┪	-	-	Н	-	┨	}			+	+	-	Н	ᅱ	\dashv	\dashv	\dashv	\dashv	\vdash		├-		-+	+
47 97 147	46	\top	7	7	┪	\exists		\dashv	\dashv	۲	ł	_	_	$^{+}$	7	\dashv	Н	-	+	+	+	-	\dashv		_	_	+	+
		\top	十	┪		٦		Н	7	ᅥ	ŀ	_		+	+	ᅱ	-	\dashv	\dashv	┥	+	-	\dashv			_	+	+
<u>. 1</u> , , , , , , , , , , , , , , , , , , ,	48	17	十	7	7	\dashv	_	H	十	ᅱ	ł		_	+	╅	-	-	-	\dashv	+	+	-	\dashv			148	+	+
49 99 149	49	T	7	7	7	\dashv	\dashv	\vdash	7	┪	ŀ			+	+	┪	┪	\dashv	+	╅	\dashv	ᅱ	긕			\rightarrow	-+	+
150	50	П	J	I	J					٦	ŀ			+	+	┪	ᅥ	\dashv	十	7	十	ᅱ	\dashv				+	+

		г			-		_	<u></u>	•-	_	_		_	_	_
H	uim T	H	1	_	_	_	ᅮ	Ja	te	_	_		т-	_	
Final	Original														
ᄪ		L	L	1	_	L	1		L	1		L	L	┙	
L	101	L	L			L	L						1	1	
L	102].		Γ	Т			Γ	Ţ	
	103		Γ	Т		Γ	T	Ī	Г	Т			Т	Т	
	104		Γ	T	_	T	Ť			T			T	7	_
	105			Τ			Ι		Г	Т			Т	7	
	106						\mathbf{I}			Π			Π	Ţ	_
L	ğ		L	L		L	Ι			L			L	Ι	
	108		L	L			L							T	
╚	109		L	L		L	L				_			I	
\sqcup	110		L	L	_		L			L			L	Ι	
Ц	111		L	L		L	\perp		L	L	┙		L		
	112		L	L		L	L			L	┙		L	1	_
	113		L	L		L	L		L	L	_		L	1	
Ш	114		L	Ļ	J	L	┸			L	1		L	1	
	115		L	L		\Box	┸		_	L	1		L	1	_
	116		L	L			╀	_		L	⇃		L	1	
_	117		L.	Ļ	_		╀	4		Ļ	1		L	1	_
-	118	_		╀	4	_	Ļ	4	_	╄	4	_	L	4	
	119		Ļ.	L	4		1	4		Ļ	4		L	1	
\rightarrow	120		_	L	4		L	4		L	1	_	L	1	_
	121	_	_	Ļ	4		┞	4		L	4		L	1	_
	122	_	_	L	-		┞	4		┡	4	_	L	1	_
	123 124	-	_	╀	4		╀	4		├-	4	_	L	4	_
_	125	\dashv	_	┝	+	·	╁	+		⊢	+		L	╀	_
$\overline{}$	26		-	┢	+	_	Н	+		┢	t	_	-	╁	_
	27	┪		1	7		┢	1		-	t		-	t	_
	128	7		T	7	_	H	†	_	┢	†	_	_	t	7
П	29	╗		T	7		Γ	1		T	Ť		_	t	
	30		_	Γ	7		ı	1		Г	Ť	_		T	_
	31	\Box			1			I			Ι			Т	-
	32	\perp						I			Ι			Ι	
	33			L	1		L	1			I			Γ	
	34	4	_	L	1		L.	1			L	_		L	
_	35	_		L	4	_	L	1		_	L	_	_	L	_
	36	4		Ļ	4	_	L	4		_	L	4	_	L	_
	37	+		_	4		┡	4		_	Ļ	4	_	L	4
_	38 39	4	-	_	╁	_	<u> </u>	╀	_	_	ŀ	4	_	H	4
_	40	+		_	t	_	-	t	-		H	-		┝	┨
_	7	╅	╡	_	t	_	H	t	-		┝	4		┝	┨
	42	+	-	_	t	-	-	+	\dashv		┝	┥		H	┥
	43	+	Н	_	t	┥	-	t	┥		H	┥	_	\vdash	┨
	4	\dagger	_		t	┪	-	t	7		۲	+		\vdash	┨
	45	+	ᅥ	_	t	┪	-	t	7	_	H	+	-	┝	┨
_ j.	46	1	\neg		T			T	1		Г	7	_	Г	٦
7	47	I		_	Γ	_	_	Γ				7		Г	7
	48	I	\Box	_	I		Ξ	Γ				J]
_1	49	4	_		L	_		L	_[Ĺ	Ţ			1
	50	\perp			L	┙		L	┙		L	1		_	╛

If more than 150 claims or 10 actions staple additional she there

(LEFT INSIDE)

This Page is Inserted by IFW Indexing and Scanning Operations and is not part of the Official Record

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images include but are not limited to the items checked:

M BLACK BORDERS
☐ IMAGE CUT OFF AT TOP, BOTTOM OR SIDES
FADED TEXT OR DRAWING
☐ BLURRED OR ILLEGIBLE TEXT OR DRAWING
☐ SKEWED/SLANTED IMAGES
☐ COLOR OR BLACK AND WHITE PHOTOGRAPHS
☐ GRAY SCALE DOCUMENTS
☐ LINES OR MARKS ON ORIGINAL DOCUMENT
☐ REFERENCE(S) OR EXHIBIT(S) SUBMITTED ARE POOR QUALITY
□ other:

IMAGES ARE BEST AVAILABLE COPY.

As rescanning these documents will not correct the image problems checked, please do not report these problems to the IFW Image Problem Mailbox.